10/529220
JC06 Rec'd PCT/PTO 25 MAR 2005

#2

183.39735AX4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Barry W. TOWNSEND, et al.

Serial No.: To be assigned

Filed: March 25, 2005

International Appln. No.: PCT/US2002/030471

International Filing Date: September 26, 2002

For: PROSTHETIC FOOT WITH TUNABLE PERFORMANCE

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 & 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 25, 2005

Sir:

Pursuant to the duty of disclosure applicants cite the documents listed on the attached Form PTO-1449. Most of the cited documents were previously submitted in related application serial no. 09/820,895, now U.S. Patent No. 6,562,075, the earlier effective filing date of which is relied on under 35 U.S.C. §120 such that copies of those documents are not enclosed, 37 C.F.R. §1.98(d)(i).

The Examiner's attention is also directed to other pending U.S. applications of applicants:

U.S. application serial nos.

09/606,075

09/917,660

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10/131/142

10/263,795

10/408,107; and also pending

international application

PCT/US03/09506.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 183.39735AX4), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 183.39735AX	SERIAL NO. To be assigned 10/529220
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT B. TOWNSEND ET AL.	
		FILING DATE March 25, 2005	GROUP

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
	AA	3,335,428	08/15/67	Gajdos			11/02/64
	AB	4,721,510	01/26/88	Cooper et al.			02/24/87
	AC	4,822,363	04/18/89	Phillips			03/26/87
	AD	5,066,305	11/19/91	Firth			10/25/88
	AE	5,156,632	10/20/92	Wellershaus			11/08/91
	AF	5,181,932	01/26/93	Phillips			04/13/89
	AG	5,219,365	06/15/93	Sabolich			08/26/92
	AH	5,458,656	10/17/95	Phillips			12/20/93
	AI	5,482,513	01/09/96	Wilson			10/12/93
	AJ	5,514,185	05/07/96	Phillips			01/21/94
	AK	5,545,230	08/13/96	Kinsinger et al.			10/11/94
	AL	5,571,213	11/05/96	Allen			08/19/94
	AM	5,593,456	01/14/97	Merlette			01/14/97
	AN	5,593,457	01/14/97	Phillips			09/22/95
	AO	5,653,767	08/05/97	Allen et al.			12/12/95
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	AQ	5,702,488	12/30/97	Wood et al.			09/12/95
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	AS	5,728,177	03/17/98	Phillips			08/05/96
	AT	5,728,176	03/17/98	Phillips			10/30/95
	AU	5,800,569	09/01/98	Phillips			08/15/95
	AV	5,824,112	10/20/98	Phillips			03/31/93
	AW	5,897,594	04/27/99	Martin et al.			03/04/97
	AX	5,899,944	05/04/99	Phillips			04/23/96
	AY	5,993,488	11/30/99	Phillips			05/13/98
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	AA	6,228,043	05/08/01	Townsend et al.			07/18/97
	AB	6,270,468	08/07/01	Townsend et al.			06/29/00
	AC	6,562,075	05/13/03	Townsend et al.			03/30/01
	AD	5,443,522	08/22/95	Hiemisch			04/26/93
	AE	5,443,527	08/22/95	Wilson			03/31/93
	AF	5,766,264	06/16/98	Lundt			08/30/96
	AG	4,892,554	01/09/90	Robinson			12/21/87
	AH	4,959,073	09/25/90	Merlette			06/06/88
	AI	5,376,139	12/27/94	Pitkin			09/21/92
	AJ	5,549,714	08/27/96	Phillips			01/12/96
	AK	5,653,768	08/05/97	Kania			01/21/94
	AL	5,976,191	11/02/99	Phillips			10/08/96
	AM	6,443,995	09/03/02	Townsend et al.			12/22/00
	AN	5,800,568	09/01/98	Atkinson et al.			02/16/96

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Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation /Abstract	
							Yes	No
	AO	FR 2 640 499 A1	06/90	France				
	AP	WO 91/00070	01/91	International				
	AQ	CA 2,103,341 A1		Canada				
	AR							
	AS							
	AT							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	PCT Written Opinion from International Application No. PCT/US02/06901
	AV	International Search Report from International Application No. PCT/US01/48954
	AW	International Search Report (April 2002); International application no. PCT/US02/09573
	AX	International Search Report (July 1998); International application no. PCT/US02/30471
	AY	Atkinson et al.; Publication No. US 2002/0087216A1
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	AA	5,509,937	04/23/96	Allard et al.			
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	AC	5,376,141	12/27/94	Phillips			
	AD	4,645,509	02/87	Poggie et al.			
	AE	5,112,356	05/92	Harris et al.			
	AF	5,314,499	05/94	Collier Jr.			
	AG	5,776,205	07/98	Phillips			
	AH	6,051,026	04/00	Biedermann et al.			
	AI	4,911,724 A	5/27/90	Fikes			
	AJ	6,402,790	06/11/02	Celebi			
	AK	4,994,086	02/19/91	Edwards			06/04/90
	AL	5,507,838	04/16/96	Chen			02/17/04
	AM	6,514,293	02/04/03	Jang et al.			10/23/00
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							Yes	No
	AO	DE 325171 C1	10/1920	Germany				
	AP	EP 0 648 479 A1	10/1993	Denmark			Abstract	
	AQ	WO 94/10942	05-1994	PCT-WIPO				
	AR	29920434 U1	05/11/00	Germany				
	AS							
	AT							

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	AU	Universal Offset Pyramid Adapter; 2 pages
	AV	International Search Report; PCT/US03/09506;filed March 31, 2003.
	AW	
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
	AA	640,540	1/2/1900	R.E. Daniels			07/30/1898
	AB	810,180	1/16/1906	H.C. Wintermute			05/02/1905
	AC	2003/0120354	06/26/03	Doddroe, et al.			01/29/03
	AD	2003/0093158	05/15/03	Phillips et al.			12/17/02
	AE	2003/0009238	01/09/03	Whayne			07/03/02
	AF	2002/0087216	07/04/02	Atkinson et al.			02/25/02
	AG	2002/0077706	06/20/02	Phillips			08/30/01
	AH	2002/0116072	08/22/02	Rubie et al.			02/09/01
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	AK	6,241,776	06/05/01	Christensen			07/07/99
	AL	5,181,933	01/26/93	Phillips			02/28/91
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							Yes	No
	AO	2734151	11/22/96	French			X	
	AP	0793949A1	09/10/97	Europe			X	
	AQ	19717298C1	05/07/98	Germany			X	
	AR	11-299815	11/02/99	Japan			X	
	AS	9-327473	12/22/97	Japan			X	
	AT							

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	AB	5,290,319	03/01/94	Phillips			02/28/91
	AC	5,486,209	01/23/96	Phillips			07/01/94
	AD	5,509,936	04/23/96	Rappoport, et al.			06/30/94
	AE	5,387,246	02/07/95	Phillips			02/12/93
	AF	5,116,383	05/26/92	Shorter et al.			03/03/89
	AG	2002/0040249	04/04/02	Phillips			09/20/01
	AH	6,280,479	08/28/01	Phillips			04/09/99
	AI	6,077,301	06/20/00	Pusch			04/22/98
	AJ	5,139,525	08/18/92	Kristinsson			12/23/91
	AK	5,062,859	11/05/91	Naeder			06/11/90
	AL	5,019,109	05/28/91	Voisin			03/09/90
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							Yes	No
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	AQ							
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FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
183.39735AX4	10/529220 To be assigned

APPLICANT: Barry W. TOWNSEND et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,653,767	8-5-97	Allen et al.			12-12-95
	AB	5,376,133	12-27-94	Gramnas			3-28-91
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	AD	5,746,773	5-5-98	Littig			3-13-96
	AE	5,944,760	8-31-99	Christensen			8-4-97
	AF	6,099,572	8-8-00	Mosler et al.			4-22-98
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	AH	6,206,934 B1	3-27-01	Phillips			8-21-98
	AI	5,653,768	8-5-97	Kania			1-21-94
	AJ	6,206,932	3-27-01	Johnson			11-24-98

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation/ ABSTRACT	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AK	International Search Report in corresponding PCT application No. PCT/US02/09571 dated September 27, 2002.
	AL	International Search Report in corresponding PCT application No. PCT/US02/09589 dated September 11, 2002.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

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FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
183.39735AX4	10/529220 To be assigned
APPLICANT: Barry W. TOWNSEND et al.	
FILING DATE: March 25, 2005	GROUP:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation/ ABSTRACT	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	Perry J. and Shanfield S., *Efficiency of Dynamic Elastic Response Prosthetic Feet; Gait Initiation in Below-Knee Amputees: Analysis of Safe Function; Biomechanical Evaluation of Energy-Storing Prosthetic Feet*, J. Rehabilitation Research and Development Service (Project #A517-RA), 1990, pp. 37, 38 & 44.
	AN	Barth, D.G., Schumacher, L. and Thomas, S.S., *Gait Analysis and Energy Cost of Below-Knee Amputees Wearing Six Different Prosthetic Feet*, JPO: Journal of Prosthetics and Orthotics, 1992, Vol. 4, No. 2, pp. 626-638.
	AO	Menard, M.R. and Murray D.D., *Subjective and Objective Analysis of an Energy-Storing Prosthetic Foot*, Journal of Prosthetics and Orthotics, 1989, Vol. 1, No. 4, pp. 173-183.
	AP	Menard, M.R., McBride, M.E., Sanderson, D.J. and Murray, D.D., *Comparative Biomechanical Analysis of Energy-Storing Prosthetic Feet*, Archives of Physical Medicine and Rehabilitation, May 1992, Vol. 73, pp. 451-458.
	AQ	Prince, F., Winter, D.A. et al., *Mechanical Efficiency During Gait of Adults with Transtibial Amputation: A Pilot Study Comparing the SACH, Seattle, and Golden-Ankle Prosthetic Feet*, Journal of Rehabilitation Research and Development, June 1998, Vol. 35, No. 2, pp. 177-185.
	AR	Winter, D.A., *Biomechanics of Human Movement*, John Wiley & Sons, Inc., 1979, pp 61, 117-121.
	AS	Mann, R.A. and Hagy, J.L., *The Function of the Toes in Walking, Jogging and Running*, J.J.B. Lippincott Company, 1979, Vol. 142, pp. 24-29.
	AT	Perry, J., *Gait Analysis: Normal and Pathological Function*, SLACK Incorporated, Thorofare, NJ, 1992, Chapter 4: *Ankle Foot Complex*, Chapter 19: *Ground Reaction Force and Vector Analysis*, Chapter 21: *Energy Expenditure*.
	AU	Valmassy, R.L., *Clinical Biomechanics of the Lower Extremities*, Mosby, 1996, Chapter 1: *Lower Extremity Function and Normal Mechanics*.
	AV	Hsu, M. and Nielsen, D., et al., *Physiological Measurements of Walking and Running in People with Transtibial Amputations With 3 Different Prostheses*, Journal of Othopaedic & Sports Physical Therapy, Sept. 1999; Vol. 29, No. 9, pp. 527-533.
	AW	Macfarlane, P.A. and Nielsen, D.H. et al., *Gait Comparisons for Below-Knee Amputees Using a Flex-Foot™ Versus a Conventional Prosthetic Foot*, Journal of Prosthetics and Orthotics, 1991, Vol. 3, No. 4, pp. 526-537.
	AX	Nellson, D.H. and Shurr, D.G. et al., *Comparison of Energy Cost and Gait Efficiency During Ambulation in Below-Knee Amputees Using Different Prosthetic Feet - A Preliminary Report*, Journal of Prosthetics and Orthotics, 1988, Vol. 1, No. 1, pp. 24-31.

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation/ ABSTRACT	
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	AY	Macfarlane, P.A. and Nielsen, D.H. et al., *Perception of Walking Difficulty by Below-Knee Amputees Using a Conventional Foot Versus the Flex-Foot*, Journal of Prosthetics and Orthotics, 1991, Vol. 3, No. 3., pp. 503-508.
	AZ	Childress, D., *Mechanical Properties of Prosthetic and Human Feet: From Shoes to Computer Alignment*, 2nd Conference of Advanced Prosthetics, April 2002.
	BA	Wirta, R.W. et al., *Effect on Gait Using Various Prosthetic Ankle-Foot Devices*, Journal of Rehabilitation Research and Development, 1991, Vol. 28, No. 2, pp. 13-24.
	BB	Winter, D.A. and Patia A.E. et al., *Biomechanical Walking Pattern Changes in the Fit and Healthy Elderly*, Physical Therapy, June 1990, Vol. 70, No. 6, pp 340/15 - 346/21.
	BC	Ayyappa, E., *Normal Human Locomotion, Part 1: Basic Concepts and Terminology*, Journal of Prosthetics and Orthotics, Winter 1997, Vol. 9, No. 1, pp. 10-17.
	BD	Ayyappa, E., *Normal Human Locomotion, Part 2: Motion, Ground-Reaction Force and Muscle Activity*, Journal of Prosthetics and Orthotics, Spring 1997, Vol. 9, No. 2, pp. 49-57.
	BE	Winter, D.A., *Biomechanics and Motor Control of Human Movement*, University of Waterloo, John Wiley & Sons, Inc., 1990, Chapter 7.
	BF	J.B. Saunders, et al., *The Major Determinants in Normal and Pathological Gait*, Journal of Bone and Joint Survey, July 1953, Vol. 35A, No. 3, pp. 543-558.
	BG	Komi, P.V., *Stength and Power in Sport*, Blackwell Scientific Publications, 1992, Chapter 6B, pp. 115-129.
	BH	McComas, A.J., *Skeletal Muscle Form and Function*, Human Kinetics, Champaign, IL, 1996, pp. 326-375.
	BI	Mattes, S.J., et al., *Walking Symmetry and Energy Cost in Persons with Unilateral Transtibial Amputations: Matching Prosthetic and Intact Limb Inertial Properties*, Archives of Physcial Medicine and Rehabilitation, May 2000, Vol. 81, pp. 561-568.
	BJ	Bojsen-Moller, F., *Calcaneocuboid Joint and Stability of the Longitudinal Arch of the Foot at High and Low Gear Push Off*, Journal of Anatomy, August-December 1979, Vol. 129, pp.165-176.
	BK	Hicks, J.H., *The Mechanics of the Foot, The Plantar Aponeurosis and the Arch*, Journal of Anatomy, 1954, Vol. 88, Pt. 1, pp. 25-31.
	BL	Brunnstrom, S. (revised by R. Dickinson), *Clinical Kinesiology*, F.A. Davis Company, Philadelphia, 1972, pp. 35
	BM	Stiehl, J., *Inman's Joints of the Ankle* (2nd Ed.), Williams & Wilkins, Baltimore, MD, 1991, p. 39
	BN	Bateni, H., et al., *Kinematic and Kinetic Variations of Below-Knee Amputee Gait*, Prosthetic and Orthotic Science, 2002, Vol. 14, No. 1, pp. 2-10.

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